DeKalb County Schools
Curriculum-at-a-Glance

Kindergarten Math

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Counting with Friends	**Addition and Subtraction**	**Comparing Numbers**	**Sophisticated Shapes**	**Measuring and Analyzing Data**
Fluency Standard: MGSEK.OA.5 Fluently add and subtract within 5. **Note:** Fluency standard(s) should be addressed throughout the year and measured formatively so that our students are able to compute accurately, efficiently, and flexibly. For more details: http://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Linda-M_-Gojak/Fluency_-Simply-Fast-and-Accurate_-I-Think-Not!/ .				
MGSEK.CC.1 MGSEK.CC.2 **MGSEK.CC.3** **MGSEK.CC.4** **MGSEK.MD.3**	MGSEK.OA.1 **MGSEK.OA.2** **MGSEK.OA.3** MGSEK.OA.4 MGSEK.OA.5	**MGSEK.NBT.1** **MGSEK.CC.3** MGSEK.CC.4a MGSEK.CC.5 **MGSEK.CC.6** MGSEK.CC.7 **MGSEK.MD.3**	MGSEK.G.1 **MGSEK.G.2** MGSEK.G.3 **MGSEK.G.4** MGSEK.G.5 MGSEK.G.6 **MGSEK.MD.3**	MGSEK.MD.1 MGSEK.MD.2 **MGSEK.MD.3**
Standards in **BOLD** are **Priority Standards** and represent rigorous performance expectations that students must master by the end of the course. All other standards are *Supporting Standards* and represent skills needed to attain the **Priority Standards**.				
9 weeks	**9 weeks**	**9 weeks**	**5 weeks**	**4 weeks**
These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units. All units include the Standards for Mathematical Practice and indicate skills to maintain. The Standards for Mathematical Practice are interwoven and should be addressed throughout the year in as many different units and tasks as possible to stress the natural connections that exist among mathematical topics.				

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them. (DAILY)	5. Use appropriate tools strategically.
2. Reason abstractly and quantitatively. (DAILY)	**6. Attend to precision. (DAILY)**
3. Construct viable arguments and critique the reasoning of others.	7. Look for and make use of structure.
4. Model with mathematics.	8. Look for and express regularity in repeated reasoning.

Grades K-2 Key:
CC = Counting and Cardinality, G= Geometry, MD=Measurement and Data, NBT= Number and Operations in Base Ten, OA = Operations and Algebraic Thinking.

DeKalb County Schools
Curriculum-at-a-Glance

1st Grade Math

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Creating Routines Using Data	**Base Ten Number Sense and Understanding Place Value**	**Operations and Algebraic Thinking**	**Understanding Shapes and Fractions**	**Applying Place Value to Number Operations**	**Sorting, Comparing, and Ordering**
Fluency Standard: MGSE1.OA.6b Fluently add and subtract within 10. **Note:** Fluency standard(s) should be addressed throughout the year and measured formatively so that our students are able to compute accurately, efficiently, and flexibly. For more details: http://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Linda-M_-Gojak/Fluency_-Simply-Fast-and-Accurate_-I-Think-Not!/ .					
MGSE1.NBT.1 **MGSE1.MD.4**	**MGSE1.NBT.1** **MGSE1.NBT.2** MGSE1.NBT.3 MGSE1.NBT.5 MGSE1.NBT.7 **MGSE1.MD.4**	**MGSE1.OA.1** MGSE1.OA.2 **MGSE1.OA.3** **MGSE1.OA.4** MGSE1.OA.5 **MGSE1.OA.6** **MGSE1.OA.7** MGSE1.OA.8 **MGSE1.MD.4**	MGSE1.G.1 MGSE1.G.2 **MGSE1.G.3** **MGSE1.MD.4**	**MGSE1.NBT.4** MGSE1.NBT.6 MGSE1.NBT.7 **MGSE1.MD.4**	MGSE1.MD.1 **MGSE1.MD.2** **MGSE1.MD.3** **MGSE1.MD.4**
Standards in **BOLD** are **Priority Standards** and represent rigorous performance expectations that students must master by the end of the course. All other standards are *Supporting Standards* and represent skills needed to attain the **Priority Standards**.					
4 weeks	**6 weeks**	**8 weeks**	**6 weeks**	**6 weeks**	**6 weeks**
These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units. All units include the Standards for Mathematical Practice and indicate skills to maintain. The Standards for Mathematical Practice are interwoven and should be addressed throughout the year in as many different units and tasks as possible to stress the natural connections that exist among mathematical topics.					
Standards for Mathematical Practice					
1. Make sense of problems and persevere in solving them. (DAILY) **2. Reason abstractly and quantitatively. (DAILY)** 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics.			5. Use appropriate tools strategically. **6. Attend to precision. (DAILY)** 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning.		
Grades K-2 Key: G= Geometry, MD=Measurement and Data, NBT= Number and Operations in Base Ten, OA = Operations and Algebraic Thinking.					

DeKalb County Schools
Curriculum-at-a-Glance

2nd Grade Math

Unit 1	Unit 2	Unit 3		Unit 4	Unit 5	Unit 6
Extending Base Ten Understanding	**Becoming Fluent with Addition and Subtraction**	**Understanding Measurement, Length, and Time**		**Applying Base Ten Understanding**	**Understanding Plane and Solid Figures**	**Developing Multiplication**
Fluency Standard: MGSE2.OA.2 Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers. **Fluency Standard:** MGSE2.NBT.5 Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction. **Note:** Fluency standard(s) should be addressed throughout the year and measured formatively so that our students are able to compute accurately, efficiently, and flexibly. For more details: http://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Linda-M_-Gojak/Fluency_-Simply-Fast-and-Accurate_-I-Think-Not!/ .						
MGES2.NBT.1 **MGES2.NBT.2** MGES2.NBT.3 MGES2.NBT.4 **MGES2.MD.10**	**MGES2.OA.1** **MGES2.OA.2** **MGES2.NBT.5** MGES2.MD.8 **MGES2.MD.10**	**MGES2.MD.1** MGES2.MD.2 MGES2.MD.3 MGES2.MD.4 MGES2.MD.5	**MGES2.MD.6** MGES2.MD.7 MGES2.MD.9 **MGES2.MD.10**	MGES2.NBT.6 **MGES2.NBT.7** **MGES2.NBT.8** **MGES2.NBT.9** MGES2.MD.8 **MGES2.MD.10**	MGES2.G.1 **MGES2.G.2** **MGES2.G.3** **MGES2.MD.10**	MGES2.OA.3 **MGES2.OA.4** **MGES2.MD.10**
Standards in **BOLD** are **Priority Standards** and represent rigorous performance expectations that students must master by the end of the course. All other standards are *Supporting Standards* and represent skills needed to attain the **Priority Standards**.						
6 weeks	**6 weeks**	**6 weeks**		**6 weeks**	**6 weeks**	**6 weeks**
These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units. All units include the Standards for Mathematical Practice and indicate skills to maintain. The Standards for Mathematical Practice are interwoven and should be addressed throughout the year in as many different units and tasks as possible to stress the natural connections that exist among mathematical topics.						

Standards for Mathematical Practice	
1. Make sense of problems and persevere in solving them. (DAILY)	5. Use appropriate tools strategically.
2. Reason abstractly and quantitatively. (DAILY)	**6. Attend to precision. (DAILY)**
3. Construct viable arguments and critique the reasoning of others.	7. Look for and make use of structure.
4. Model with mathematics.	8. Look for and express regularity in repeated reasoning.

Grades K-2 Key:
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Curriculum-at-a-Glance

3rd Grade Math

Unit 1	Unit 2		Unit 3		Unit 4	Unit 5	Unit 6
Numbers and Operations in Base Ten	**The Relationship Between Multiplication and Division**		**Patterns in Addition and Multiplication**		**Representing and Comparing Fractions**	**Geometry**	**Measurement**
Fluency Standard: MGSE3.OA.7 Fluently multiply and divide within 100, using strategies such as the relationship between multiplication and division (e.g., knowing that 8 x 5 = 40, one knows 40 ÷ 5 = 8) or properties of operations. By the end of Grade 3, know from memory all products of two one-digit numbers. **Fluency Standard:** MGSE3.NBT.3 Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction. **Note:** Fluency standard(s) should be addressed throughout the year and measured formatively so that our students are able to compute accurately, efficiently, and flexibly. For more details: http://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Linda-M_-Gojak/Fluency_-Simply-Fast-and-Accurate_-I-Think-Not!/ .							
MGSE3.NBT.1 **MGSE3.NBT.2** **MGSE3.MD.3** MGSE3.MD.4	MGSE3.OA.1 MGSE3.OA.2 **MGSE3.OA.3** MGSE3.OA.4 **MGSE3.OA.5**	**MGSE3.OA.6** **MGSE3.OA.7** **MGSE3.NBT.3** **MGSE3.MD.3** MGSE3.MD.4	**MGSE3.OA.8** MGSE3.OA.9 **MGSE3.MD.3** MGSE3.MD.4	MGSE3.MD.5 MGSE3.MD.6 **MGSE3.MD.7**	MGSE3.NF.1 **MGSE3.NF.2** **MGSE3.NF.3** **MGSE3.MD.3** MGSE3.MD.4 **MGSE3.G.2**	**MGSE.3.G.1** **MGSE.3.G.2** **MGSE3.MD.3** MGSE3.MD.4 **MGSE3.MD.7** **MGSE3.MD.8**	**MGSE3.MD.1** **MGSE3.MD.2** **MGSE3.MD.3** MGSE3.MD.4
Standards in **BOLD** are **Priority Standards** and represent rigorous performance expectations that students must master by the end of the course. All other standards are *Supporting Standards* and represent skills needed to attain the **Priority Standards**.							
4 weeks	**8 weeks**		**6 weeks**		**6 weeks**	**5 weeks**	**4 weeks**
These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units. All units include the Standards for Mathematical Practice and indicate skills to maintain. The Standards for Mathematical Practice are interwoven and should be addressed throughout the year in as many different units and tasks as possible to stress the natural connections that exist among mathematical topics.							

Standards for Mathematical Practice	
1. Make sense of problems and persevere in solving them. (DAILY)	5. Use appropriate tools strategically.
2. Reason abstractly and quantitatively. (DAILY)	**6. Attend to precision. (DAILY)**
3. Construct viable arguments and critique the reasoning of others.	7. Look for and make use of structure.
4. Model with mathematics.	8. Look for and express regularity in repeated reasoning.

Grades 3-5 Key:
G= Geometry, MD=Measurement and Data, NBT= Number and Operations in Base Ten, NF = Number and Operations-Fractions, OA = Operations and Algebraic Thinking.

DeKalb County Schools
Curriculum-at-a-Glance
4th Grade Math

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
Whole Numbers, Place Value and Rounding in Computation	**Multiplication and Division of Whole Numbers**	**Fraction Equivalents**	**Operations with Fractions**	**Fractions and Decimals**	**Geometry**	**Measurement**
Fluency Standard: MGSE4.NBT.4 Fluently add and subtract multi-digit whole numbers using the standard algorithms. **Note:** Fluency standard(s) should be addressed throughout the year and measured formatively so that our students are able to compute accurately, efficiently, and flexibly. For more details: http://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Linda-M_-Gojak/Fluency_-Simply-Fast-and-Accurate_-I-Think-Not!/ .						
MGSE4.NBT.1 MGSE4.NBT.2 MGSE4.NBT.3 MGSE4.NBT.4 **MGSE4.OA.3** **MGSE4.MD.2**	MGSE4.OA.1 **MGSE4.OA.2** **MGSE4.OA.3** **MGSE4.OA.4** MGSE4.OA.5 **MGSE4.NBT.5** **MGSE4.NBT.6** **MGSE4.MD.2** MGSE4.MD.8	MGSE4.NF.1 **MGSE4.NF.2** **MGSE4.MD.2**	MGSE4.NF.3ab **MGSE4.NF.3cd** MGSE4.NF.4ab **MGSE4.NF.4c** **MGSE4.MD.2**	MGSE4.NF.5 MGSE4.NF.6 **MGSE4.NF.7** **MGSE4.MD.2**	MGSE4.G.1 **MGSE4.G.2** **MGSE4.G.3** MGSE4.MD.5 MGSE4.MD.6	MGSE4.MD.1 **MGSE4.MD.2** MGSE4.MD.3 **MGSE4.MD.4** MGSE4.MD.5 MGSE4.MD.6 **MGSE4.MD.7** MGSE4.MD.8
Standards in **BOLD** are **Priority Standards** and represent rigorous performance expectations that students must master by the end of the course. All other standards are *Supporting Standards* and represent skills needed to attain the **Priority Standards**.						
4 weeks	**9 weeks**	**4 weeks**	**6 weeks**	**3 weeks**	**3 weeks**	**4 weeks**
These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units. All units include the Standards for Mathematical Practice and indicate skills to maintain. The Standards for Mathematical Practice are interwoven and should be addressed throughout the year in as many different units and tasks as possible to stress the natural connections that exist among mathematical topics.						

Standards for Mathematical Practice

1. **Make sense of problems and persevere in solving them. (DAILY)**
2. **Reason abstractly and quantitatively. (DAILY)**
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. **Attend to precision. (DAILY)**
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Grades 3-5 Key:
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DeKalb County Schools
Curriculum-at-a-Glance

5th Grade Math

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
Order of Operations and Whole Numbers	**Decimals**	**Fractions**	**Measurement and Data**	**Geometry**

Fluency Standard: MGSE5.NBT.5 Fluently multiply multi-digit whole numbers using the standard algorithm (or other strategies demonstrating understanding of multiplication) up to a 3 digit by 2 digit factor.

Fluency Standard: MGSE5.NBT.6 Fluently divide up to 4-digit dividends and 2-digit divisors by using at least one of the following methods: strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations or concrete models. (e.g., rectangular arrays, area models)

Note: Fluency standard(s) should be addressed throughout the year and measured formatively so that our students are able to compute accurately, efficiently, and flexibly. For more details: http://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Linda-M_-Gojak/Fluency_-Simply-Fast-and-Accurate_-I-Think-Not!/ .

MGSE5.OA.1	MGSE5.NBT.1	**MGSE5.NF.1**	**MGSE5.NF.5**	MGSE5.MD.1	MGSE5.G.1
MGSE5.OA.2	MGSE5.NBT.2	MGSE5.NF.2	MGSE5. NF.6	MGSE5.MD.2	**MGSE5.G.2**
MGSE5.NBT.1	**MGSE5.NBT.3**	MGSE5.NF.3	**MGSE5.NF.7**	**MGSE5.MD.3**	MGSE5.G.3
MGSE5.NBT.2	MGSE5.NBT.4	**MGSE5.NF.4**	MGSE5.MD.2	MGSE5.MD.4	**MGSE5.G.4**
MGSE5.NBT.5	**MGSE5. NBT.7**			**MGSE5.MD5**	**MGSE.5.OA.3**
MGSE5.NBT.6					

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6 weeks	7 weeks	9 weeks	6 weeks	5 weeks

These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units. All units include the Standards for Mathematical Practice and indicate skills to maintain. The Standards for Mathematical Practice are interwoven and should be addressed throughout the year in as many different units and tasks as possible to stress the natural connections that exist among mathematical topics.

Standards for Mathematical Practice

1. **Make sense of problems and persevere in solving them. (DAILY)**
2. **Reason abstractly and quantitatively. (DAILY)**
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. **Attend to precision. (DAILY)**
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Grades 3-5 Key:

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DeKalb County Schools
Curriculum-at-a-Glance
6th Grade Math

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
Number System Fluency	**Rate, Ratio, and Proportional Reasoning Using Equivalent**	**Expressions**	**One-Step Equations and Inequalities**	**Area and Volume**	**Statistics**	**Rational Explorations: Numbers and Opposites**
Fluency Standard: MGSE6.NS.2 Fluently divide multi-digit numbers using the standard algorithm. **Fluency Standard:** MGSE6.NS.3 Fluently add, subtract, multiply, and divide multi-digit decimals using the standard algorithm for each operation. **Note:** Fluency standard(s) should be addressed throughout the year and measured formatively so that our students are able to compute accurately, efficiently, and flexibly. For more details: http://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Linda-M_-Gojak/Fluency_-Simply-Fast-and-Accurate_-I-Think-Not!/ .						
MGSE6.NS.1 **MGSE6.NS.2** **MGSE6.NS.3** MGSE6.NS.4	**MGSE6.RP.1** **MGSE6.RP.2** MGSE6.RP.3abcd	MGSE6.EE.1 **MGSE6.EE.2** **MGSE6.EE.3** **MGSE6.EE.4** MGSE6.NS.4	MGSE6.EE.5 MGSE6.EE.6 **MGSE6.EE.7** **MGSE6.EE.8** **MGSE6.EE.9** MGSE6.RP.3	MGSE6.G.1 **MGSE6.G.2** **MGSE6.G.4**	MGSE6.SP.1 **MGSE6.SP.2** MGSE6.SP.3 MGSE6.SP.4 **MGSE6.SP.5**	**MGSE6.NS.5** MGSE6.NS.6abc **MGSE6.NS.7** MGSE6.NS.7abcd **MGSE6.NS.8** MGSE6.G.3
Standards in **BOLD** are **Priority Standards** and represent rigorous performance expectations that students must master by the end of the course. All other standards are *Supporting Standards* and represent skills needed to attain the **Priority Standards**.						
5 weeks	**5 weeks**	**4 weeks**	**5 weeks**	**4 weeks**	**4 weeks**	**5 weeks**
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Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them. (DAILY)	5. Use appropriate tools strategically.
2. Reason abstractly and quantitatively. (DAILY)	**6. Attend to precision. (DAILY)**
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4. Model with mathematics.	8. Look for and express regularity in repeated reasoning.

Grades 6-8 Key:
NS = The Number System RP = Ratios and Proportional Relationships EE = Expressions and Equations G = Geometry SP = Statistics and Probability

DeKalb County Schools
Curriculum-at-a-Glance

7th Grade Math

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Operations with Rational Numbers	**Expressions and Equations**	**Ratios and Proportional Relationships**	**Geometry**	**Inferences**	**Probability**
Fluency Standard: MGSE7.EE.4a Solve word problems leading to equations of the form px + q = r and p(x + q) = r, where p, q, and r are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. **Note:** Fluency standard(s) should be addressed throughout the year and measured formatively so that our students are able to compute accurately, efficiently, and flexibly. For more details: http://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Linda-M_-Gojak/Fluency_-Simply-Fast-and-Accurate_-I-Think-Not!/ .					
MGSE7.NS.1 MGSE7.NS.1a MGSE7.NS.1b MGSE7.NS.1c MGSE7.NS.1d **MGSE7.NS.2**	MGSE7.NS.2a MGSE7.NS.2b MGSE7.NS.2c MGSE7.NS.2d **MGSE7.NS.3**	**MGSE7.EE.1** MGSE7.EE.2 MGSE7.EE.3 **MGSE7.EE.4** MGSE7.EE.4a MGSE7.EE.4b MGSE7.EE.4c	**MGSE7.RP.1** **MGSE7.RP.2** MGSE7.RP.2a MGSE7.RP.2b MGSE7.RP.2c MGSE7.RP.2d **MGSE7.RP.3** **MGSE7.G.1**	MGSE7.G.2 MGSE7.G.3 **MGSE7.G.4** MGSE7.G.5 **MGSE7.G.6**	**MGSE7.SP.1** MGSE7.SP.2 MGSE7.SP.3 MGSE7.SP.4	**MGSE7.SP.5** MGSE7.SP.6 MGSE7.SP.7 MGSE7.SP.7a MGSE7.SP.7b	MGSE7.SP.8 MGSE7.SP.8a MGSE7.SP.8b MGSE7.SP.8c
Standards in **BOLD** are **Priority Standards** and represent rigorous performance expectations that students must master by the end of the course. All other standards are *Supporting Standards* and represent skills needed to attain the **Priority Standards**.					
5 weeks	**6 weeks**	**6 weeks**	**5 weeks**	**5 weeks**	**5 weeks**
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Standards for Mathematical Practice	
1. Make sense of problems and persevere in solving them. (DAILY)	5. Use appropriate tools strategically.
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4. Model with mathematics.	8. Look for and express regularity in repeated reasoning.

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DeKalb County Schools
Curriculum-at-a-Glance

8th Grade Math

Unit 1	Unit 2		Unit 3	Unit 4	Unit 5	Unit 6
Transformations, Congruence, and Similarity	**Exponents**		**Geometric Applications of Exponents**	**Functions**	**Linear Models and Tables**	**Solving Systems of Equations**
Fluency Standard: MGSE8.EE.7 Solve linear equations in one variable. **Fluency Standard:** MGSE8.EE.8 Analyze and solve pairs of simultaneous linear equations (systems of linear equations). **Note:** Fluency standard(s) should be addressed throughout the year and measured formatively so that our students are able to compute accurately, efficiently, and flexibly. For more details: http://www.nctm.org/News-and-Calendar/Messages-from-the-President/Archive/Linda-M_-Gojak/Fluency_-Simply-Fast-and-Accurate_-I-Think-Not!/ .						
MGSE8.G.1 **MGSE8.G.2** **MGSE8.G.3** MGSE8.G.4 MGSE8.G.5	**MGSE8.EE1** MGSE8.EE.2 *(evaluating)* MGSE8.EE.3	MGSE8.EE.4 **MGSE8.EE.7** MGSE8.EE.7a MGSE8.EE.7b **MGSE8.NS.1** MGSE8.NS.2	**MGSE8.G.6** **MGSE8.G.7** **MGSE8.G.8** MGSE8.G.9 MGSE8.EE.2 *(equations)*	**MGSE8.F.1** **MGSE8.F.2** **MGSE8.F.3** **MGSE8.EE.5** MGSE8.EE.6	MGSE8.F.4 MGSE8.F.5 **MGSE8.SP.1** **MGSE8.SP.2** MGSE8.SP.3 MGSE8.SP.4	**MGSE8.EE.8** MGSE8.EE.8a MGSE8.EE.8b MGSE8.EE.8c
Standards in **BOLD** are **Priority Standards** and represent rigorous performance expectations that students must master by the end of the course. All other standards are *Supporting Standards* and represent skills needed to attain the **Priority Standards**.						
6 weeks	**5 weeks**		**5 weeks**	**7 weeks**	**4 weeks**	**5 weeks**
These units were written to build upon concepts from prior units, so later units contain tasks that depend upon the concepts addressed in earlier units. All units include the Standards for Mathematical Practice and indicate skills to maintain. The Standards for Mathematical Practice are interwoven and should be addressed throughout the year in as many different units and tasks as possible to stress the natural connections that exist among mathematical topics.						
Standards for Mathematical Practice						
1. Make sense of problems and persevere in solving them. (DAILY) **2. Reason abstractly and quantitatively. (DAILY)** 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics.				5. Use appropriate tools strategically. **6. Attend to precision. (DAILY)** 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning.		
Grades 6-8 Key: NS = The Number System EE = Expressions and Equations F = Functions G = Geometry SP = Statistics and Probability						

DeKalb County Schools
Curriculum-at-a-Glance

Coordinate Algebra

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Relationships Between Quantities	**Reasoning with Equations and Inequalities**	**Linear and Exponential Functions**	**Describing Data**	**Transformations in the Coordinate Plane**	**Connecting Algebra and Geometry Through Coordinates**
MGSE9-12.N.Q.1 MGSE9-12.N.Q.1a MGSE9-12.N.Q.1b MGSE9-12.N.Q.1c MGSE9-12.N.Q.2 MGSE9-12.N.Q.3 MGSE9-12.A.SSE.1 MGSE9-12.A.SSE.1a MGSE9-12.A.SSE.1b MGSE9-12.A.CED.4 MGSE9-12.A.REI.1 **MGSE9-12.A.REI.3** **MGSE9-12.A.CED.1**	MGSE9-12.F.IF.6 MGSE9-12.F.IF.7a MGSE9-12.F.LE.1b **MGSE9-12.A.CED.2** MGSE9-12.A.CED.3 MGSE9-12.A.REI.10 MGSE9-12.A.REI.11 MGSE9-12.A.REI.12 MGSE9-12.A.REI.5 **MGSE9-12.A.REI.6**	MGSE9-12.A.REI.10 MGSE9-12.A.REI.11 MGSE9-12.F.IF.1 MGSE9-12.F.IF.2 MGSE9-12.F.IF.3 **MGSE9-12.F.IF.4** MGSE9-12.F.IF.5 MGSE9-12.F.IF.6 MGSE9-12.F.IF.7 MGSE9-12.F.IF.7a MGSE9-12.F.IF.7e **MGSE9-12.F.IF.9** **MGSE9-12.F.BF.1** MGSE9-12.F.BF.1a **MGSE9-12.F.BF.2** MGSE9-12.F.BF.3 MGSE9-12.F.LE.1 MGSE9-12.F.LE.1a MGSE9-12.F.LE.1b MGSE9-12.F.LE.1c MGSE9-12.F.LE.2 MGSE9-12.F.LE.3 **MGSE9-12.F.LE.5**	MGSE9-12.S.ID.1 MGSE9-12.S.ID.2 **MGSE9-12.S.ID.3** MGSE9-12.S.ID.5 **MGSE9-12.S.ID.6** MGSE9-12.S.ID.6a MGSE9-12.S.ID.6c MGSE9-12.S.ID.7 MGSE9-12.S.ID.8 MGSE9-12.S.ID.9	MGSE9-12.G.CO.1 **MGSE9-12.G.CO.2** MGSE9-12.G.CO.3 MGSE9-12.G.CO.4 MGSE9-12.G.CO.5	**MGSE9-12.G.GPE.4** MGSE9-12.G.GPE.5 MGSE9-12.G.GPE.6 MGSE9-12.G.GPE.7

Standards in **BOLD** are **Priority Standards** and represent rigorous performance expectations that students must master by the end of the course. All other standards are *Supporting Standards* and represent skills needed to attain the **Priority Standards**.

YEARLONG PACING					
5 weeks	**5 weeks**	**8 weeks**	**6 weeks**	**4 weeks**	**5 weeks**
BLOCK PACING					
2 weeks	**3 weeks**	**4 weeks**	**3 weeks**	**2 weeks**	**2 weeks**

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Standards for Mathematical Practice

1. **Make sense of problems and persevere in solving them. (DAILY)**
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4. Model with mathematics.
5. Use appropriate tools strategically.
6. **Attend to precision. (DAILY)**
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Grades 9-12 Key:
Number and Quantity Strand: RN = The Real Number System, Q = Quantities, CN = Complex Number System, VM = Vector and Matrix Quantities
Algebra Strand: SSE = Seeing Structure in Expressions, APR = Arithmetic with Polynomial and Rational Expressions, CED = Creating Equations, REI = Reasoning with Equations and Inequalities
Functions Strand: IF = Interpreting Functions, LE = Linear and Exponential Models, BF = Building Functions, TF = Trigonometric Functions
Geometry Strand: CO = Congruence, SRT = Similarity, Right Triangles, and Trigonometry, C = Circles, GPE = Expressing Geometric Properties with Equations, GMD = Geometric Measurement and Dimension, MG = Modeling with Geometry
Statistics and Probability Strand: ID = Interpreting Categorical and Quantitative Data, IC = Making Inferences and Justifying Conclusions, CP = Conditional Probability and the Rules of Probability, MD = Using Probability to Make Decisions

DeKalb County Schools
Curriculum-at-a-Glance

Analytic Geometry

Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
Similarity, Congruence, & Proofs	**Right Triangle Trigonometry**	**Circles and Volume**	**Extending the Number System**	**Quadratic Functions**	**Geometric and Algebraic Connections**	**Applications of Probability**
MGSE9-12.G.SRT.1	MGSE9-12.G.SRT.6	MGSE9-12.G.C.1	MGSE9-12.N.RN.2	**MGSE9-12.A.SSE.1**	MGSE9-12.G.GPE.1	MGSE9-12.S.CP.1
MGSE9-12.G.SRT.2	MGSE9-12.G.SRT.7	**MGSE9-12.G.C.2**	**MGSE9-12.N.RN.3**	MGSE9-12.A.SSE.1a	**MGSE9-12.G.GPE.4**	MGSE9-12.S.CP.2
MGSE9-12.G.SRT.3	**MGSE9-12.G.SRT.8**	MGSE9-12.G.C.3	**MGSE9-12.A.APR.1**	MGSE9-12.A.SSE.1b	MGSE9-12.G.MG.1	MGSE9-12.S.CP.3
MGSE9-12.G.SRT.4		MGSE9-12.G.C.4		MGSE9-12.A.SSE.2	**MGSE9-12.G.MG.2**	**MGSE9-12.S.CP.4**
MGSE9-12.G.SRT.5		MGSE9-12.G.C.5		MGSE9-12.A.SSE.3	**MGSE9-12.G.MG.3**	**MGSE9-12.S.CP.5**
MGSE9-12.G.CO.6		**MGSE9-12.G.GMD.1**		MGSE9-12.A.SSE.3a		MGSE9-12.S.CP.6
MGSE9-12.G.CO.7		MGSE9-12.G.GMD.2		MGSE9-12.A.SSE.3b		MGSE9-12.S.CP.7
MGSE9-12.G.CO.8		**MGSE9-12.G.GMD.3**		MGSE9-12.A.CED.1		
MGSE9-12.G.CO.9		MGSE9-12.G.GMD.4		**MGSE9-12.A.CED.2**		
MGSE9-12.G.CO.10				MGSE9-12.A.CED.4		
MGSE9-12.G.CO.11				**MGSE9-12.A.REI.4**		
MGSE9-12.G.CO.12				MGSE9-12.A.REI.4a		
MGSE9-12.G.CO.13				MGSE9-12.A.REI.4b		
MGSE9-12.G.GPE.4				**MGSE9-12.F.IF.4**		
				MGSE9-12.F.IF.5		
				MGSE9-12.F.IF.6		
				MGSE9-12.F.IF.7		
				MGSE9-12.F.IF.7a		
				MGSE9-12.F.IF.8		
				MGSE9-12.F.IF.8a		
				MGSE9-12.F.IF.9		
				MGSE9-12.F.BF.1		
				MGSE9-12.F.BF.1a		
				MGSE9-12.F.BF.3		
				MGSE9-12.F.LE.3		
				MGSE9-12.S.ID.6		
				MGSE9-12.S.ID.6a		

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YEARLONG PACING						
7 weeks	**3 weeks**	**4 weeks**	**4 weeks**	**8 weeks**	**4 weeks**	**3 weeks**
BLOCK PACING						
3.5 weeks	**2 weeks**	**2 weeks**	**2 weeks**	**4 weeks**	**2 weeks**	**2 weeks**

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